Index of Authors

ABS EL-OSTA, Y. G. *See* HU, M.

ADAMS, Z. *See* POST, R. J.

AKHKHA, A. *See* AL-ADHAMI, B. J.

AL-ADHAMI, B. H., THORNHILL, J., AKHKHA, A., DOENHOFF, M. J. and KUSEL, J. R. The properties of acidic compartments in developing schistosomula of *Schistosoma mansoni*, 253

ALLEY, W. S. *See* KIRCH, A. K.

ALLIENNE, J.-F. *See* COUSTAU, C.

ALONSO, C. *See* SOTO, M.

ALONSO, R. *See* MARTINEZ, E.

ALONSO, Y. *See* MARTINEZ, E.

AMBROSIO, J. R. *See* KUMAR, D.

ANDERSON, P. A. V. *See* KOHN, A. B.

ARIEY, F. *See* ROBERT, V.

ASHTON, F. T. *See* FORBES, W. M.

BACH KNUDSEN, K. E. *See* PETKEVIČIUS, S.

BARNABÉ, C. *See* BRENIERE, S. F.

BARTLETT, A. *See* WHITFIELD, P. J.

BASHTAR, A. R. *See* SURES, B.

BOATIN, B. *See* KIRCH, A. K.

BOOTH, M., VOUNATSOU, P., N'GORAN, E. K., TANNER, M. and UTZINGER, J. The influence of sampling effort and the performance of the Kato-Katz technique in diagnosing *Schistosoma mansoni* and hookworm co-infections in rural Côte d'Ivoire, 525

BORK, S., YOKOYAMA, N., MATSUO, T., CLAVERIA, F. G., FUJISAKI, K. and IGARASHI, I. Clotrimazole, ketoconazole, and clodinafop-propargyl inhibit the *in vitro* growth of *Babesia bigemina* and *Babesia bovis* (Phylum Apicomplexa), 311

BOSSENO, M. F. *See* BRENIERE, S. F.

BOSTON, R. *See* FORBES, W. M.

BOUDIN, C. *See* GAILLARD, F.-O.

BRENIERE, S. F., BARNABÉ, C., BOSSENO, M. F. and TIBAYRENC, M. Impact number of isoenzyme loci on the robustness of intraspecific phylogenies using multilocus enzyme electrophoresis: consequences for typing of *Trypanosoma cruzi*, 273

BRESCIANI, J. *See* LINDENSTROM, T.

BUCHMANN, K. *See* LINDENSTROM, T.

BURNELL, A. M. *See* O'HALLORAN, D. M.

BUSCHBAUM, S. *See* VON SAMSON-HIMMELSTJERNA, G.

BYRNE, C. J., HOLLAND, C. V., KENNEDY, C. R. and POOLE, W. R. Interspecific interactions between Acanthocephala in the intestine of brown trout: are they more frequent in Ireland?, 399

CAMPBELL, D. A. *See* GRISARD, E. C.

CARRÓN, A. *See* FRONTERA, E.

CAVALCANTE, R. R., PEREIRA, M. H. and GONTIJO, N. F. Anti-complement activity in the saliva of phlebotomine sand flies and other haematophagous insects, 87

CHAN, B. H. K. *See* DE ROODE, J. C.

CHAN, B. H. K. *See* GUINNEE, M. A.

CHAN, N. P. *See* GAILLARD, F.-O.

CHILTON, N. B. *See* HU, M.

CHISHOLM, L. A. and WHITTINGTON, I. D. Invasion of the shovelnose ray (*Rhinobatos typus*) by *Neoheterocotyle rhinobatidis* and *Merizocotyle icopae* (Monogenea: Monocotylidae), 561

CHLYEH, G., HENRY, P.-Y. and JARNE, P. Spatial and temporal variation of life-history traits documented using capture-mark-recapture methods in the vector snail *Bulinus truncatus*, 243

CLAVERIA, F. G. *See* BORK, S.

CLOTHIER, R. H. *See* WHITFIELD, P. J.

COLLINS, C. M. *See* LINDENSTROM, T.

COSCARÓN, S. *See* POST, R. J.

COUSTAU, C., MITTA, G., DISSOUS, C., GUILLOU, F., GALINIER, R., ALLIENNE, J.-F. and MODAT, S. *Schistosoma mansoni* and *Echinostoma caproni* excretory–secretory products differentially affect gene expression in *Biomphalaria glabrata* embryonic cells, 533

CRANE, M. *See* MORLEY, N. J.

CUNNINGHAM, C. O. *See* LINDENSTROM, T.

CUNNINGHAM, C. O. *See* MATEJUSOVÁ, I.

CUPOLILLO, E. *See* TEVA, A.

DE LUCA, F. *See* OTRANTO, D.

DE ROODE, J. C., READ, A. F., CHAN, B. H. K. and MACKINNON, M. J. Rodent malaria parasites suffer from the presence of conspecific clones in three-clone *Plasmodium chabaudi* infections, 411

DISSOUS, C. *See* COUSTAU, C.

DIVINA, B. P. *See* HÖGLUND, J.

DOENHOFF, M. J. *See* AL-ADHAMI, B. J.

DUBE, A. *See* SRIVASTAVA, J. K.

DUERR, H. P. *See* KIRCH, A. K.

DUNCAN, A. B. *See* REECE, S. E.

FAILING, K. *See* PAPE, M.

FAIRWEATHER, I. *See* KUMAR, D.

FERGUSON, H. M., RIVERO, A. and READ, A. F. The influence of malaria parasite genetic diversity and anaemia on mosquito feeding and fecundity, 9

FERNANDEZ, S., PAGOTTO, A. H., FURTADO, M. M., KATSUYAMA, Â. M., MADEIRA, A. M. B. N. and GRUBER, A. A multiplex PCR assay for the simultaneous detection and discrimination of the seven *Eimeria* species that infect the domestic fowl, 317

FORBES, W. M., ASHTON, F. T., BOSTON, R. and SCHAD, G. A. Chemotactic behaviour of *Strongyloides stercoralis* infective larvae on a sodium chloride gradient, 189

FRONTERA, E., CARRÓN, A., SERRANO, F. J., ROEPSTORFF, A., REINA, D. and NAVARRETTE, I. Specific systemic IgG1, IgG2 and IgM responses in pigs immunized with infective eggs or selected antigens of *Ascaris suum*, 291

FUJISAKI, K. *See* BORK, S.

FURTADO, M. M. *See* FERNANDEZ, S.

GAILLARD, F.-O., BOUDIN, C., CHAN, N. P., ROBERT, V. and PICHON, G. Togetherness among *Plasmodium falciparum* gametocytes: interpretation through simulation and consequences for malaria transmission, 427

GALINIER, R. *See* COUSTAU, C.

GASSER, R. B. *See* HU, M.

GASSER, R. B. *See* PENG, W.

GELNAR, M. *See* MATEJUSOVÁ, I.

GEMMILL, A. W. *See* GUINNEE, M. A.

GIANGASPERO, A. *See* OTRANTO, D.

GOETHERT, H. K. and TELFORD, S. R. III. What is *Babesia microti*?, 301

GONTIJO, N. F. *See* CAVALCANTE, R. R.

GONZÁLES, A. C. *See* MARTINEZ, E.

GREENBERG, R. M. *See* KOHN, A. B.

GRIMALDI JR, G. *See* TEVA, A.

GRISARD, E. C., STURM, N. R. and CAMPBELL, D. A. A new species of trypanosome, *Trypanosoma desterrensis* sp.n., isolated from South American bats, 265

GRUBER, A. *See* FERNANDEZ, S.

GUILLOU, F. *See* COUSTAU, C.

GUINNEE, M. A., GEMMILL, A. W., CHAN, B. H. K., VINEY, M. E. and READ, A. F. Host immune status affects maturation time in two nematode species – but not as predicted by a simple life-history model, 507

HÖGLUND, J., MORRISON, D. A., DIVINA, B. P., WILHELMSSON, E. and MATTSSON, J. G. Phylogeny of *Dictyocaulus* (lungworms) from

eight species of ruminants based on analyses of ribosomal RNA data, 179

HAKALAHTI, T. and VALTONEN, E. T. Population structure and recruitment of the ectoparasite *Argulus coregoni* Thorell (Crustacea: Branchiura) on a fish farm, 79

HAOND, C., NOLAN, D. T., RUANE, N. M., ROTLLANT, J. and WENDELAAR BONGA, S. E. Cortisol influences the host–parasite interaction between the rainbow trout (*Oncorhynchus mykiss*) and the crustacean ectoparasite *Argulus japonicus*, 551

HENRY, P.-Y. *See* CHLYEH, G.

HIRAZAWA, N., OSHIMA, S., MITSUBOSHI, T. and YAMASHITA, S. Mucus pH of the tiger puffer *Takifugu rubripes* is an important factor for host identification by the monogenean *Heterobothrium okamotoi*, 225

HIRVELÄ-KOSKI, V. *See* LAVIKAINEN, A.

HOFFMANN, W. H. *See* KIRCH, A. K.

HOLLAND, C. V. *See* BYRNE, C. J.

HU, M., GASSER, R. B., ABS EL-OSTA, Y. G. and CHILTON, N. B. Structure and organization of the mitochondrial genome of the canine heartworm, *Dirofilaria immitis*, 37

HUDSON, P. J. *See* KARVONEN, A.

IBORRA, S. *See* SOTO, M.

IGARASHI, I. *See* BORK, S.

INABA, T. *See* SATO, H.

ISHITA, K. *See* SATO, H.

ITO, M. *See* SATO, H.

JARNE, P. *See* CHLYEH, G.

JOHANSEN, M. V. *See* PEDERSEN, I. T.

JOURDANE, J. *See* KANE, R. A.

KAMIYA, H. *See* SATO, H.

KANE, R. A., SOUTHGATE, V. R., ROLLINSON, D., LITTLEWOOD, D. T. J., LOCKYER, A. E., PAGÈS, J. R., TCHUEM TCHUENTÉ, L. A. and JOURDANE, J. A phylogeny based on three mitochondrial genes supports the division of *Schistosoma intercalatum* into two separate species, 131

KAPEL, C. M. O. *See* TAIRA, K.

KARVONEN, A., PAUKKU, S., VALTONEN, E. T. and HUDSON, P. J. Transmission, infectivity and survival of *Diplostomum spathaceum* cercariae, 217

KATSUYAMA, Â. M. *See* FERNANDEZ, S.

KENNEDY, C. R. *See* BYRNE, C. J.

KHAMMO, N. *See* WHITFIELD, P. J.

KHAN, N. *See* KOHN, A. B.

KIRCH, A. K., DUERR, H. P., BOATIN, B., ALLEY, W. S., HOFFMANN, W. H., SCHULZ-KEY, H. and SOBOSLAY, P. T. Impact of parental onchocerciasis and intensity of transmission on development and persistence of *Onchocerca volvulus* infection in offspring: an 18 year follow-up study, 327

KNOBLOCH, J. *See* MICHEL, A.

KOHN, A. B., ROBERTS-MISTERLY, J. M., ANDERSON, P. A. V., KHAN, N. and GREENBERG, R. M. Specific sites on the Beta interaction Domain of a schistosome Ca^{2+} channel β subunit are key to its role in sensitivity to the anti-schistosomal drug praziquantel, 349

KUMAR, D., MCGEOWN, J. G., REYNOSO-DUCOING, O., AMBROSIO, J. R. and FAIRWEATHER, I. Observations on the musculature and isolated muscle fibres of the liver fluke, *Fasciola hepatica*, 457

KUNZ, W. *See* MICHEL, A.

KUSEL, J. R. *See* AL-ADHAMI, B. J.

LAINSON, R. *See* PAPERNA, I.

LANTNER, F. *See* RAM, D.

LARRETA, R. *See* SOTO, M.

LAVIKAINEN, A., LEHTINEN, M. J., HIRVELÄ-KOSKI, V. and MERI, S. Molecular genetic characterization of the Fennoscandian cervid strain, a new genotypic group (G10) of *Echinococcus granulosus*, 207

LEHTINEN, M. J. *See* LAVIKAINEN, A.

LEWIS, J. W. *See* MORLEY, N. J.

LEWIS, J. W. *See* NORTON, J.

LIND, P. *See* TAIRA, K.

LINDENSTROM, T., COLLINS, C. M., BRESCIANI, J., CUNNINGHAM, C. O. and BUCHMANN, K. Characterization of a *Gyrodactylus salaris* variant: infection biology, morphology and molecular genetics, 165

LITTLEWOOD, D. T. J. *See* KANE, R. A.

LITTLEWOOD, D. T. J. *See* MATEJUSOVÁ, I.

LJUNGGREN, E. L., NILSSON, D. and MATTSSON, J. G. Expressed sequence tag analysis of *Sarcoptes scabei*, 139

LOCKYER, A. E. *See* KANE, R. A.

LUNA DIAS, A. P. A. *See* POST, R. J.

MACKINNON, M. J. *See* DE ROODE, J. C.

MADEIRA, A. M. B. N. *See* FERNANDEZ, S.

MAIA-HERZOG, M. *See* POST, R. J.

MAN, P. *See* MIKEŠ, L.

MARTIN, R. J. *See* SUSWAM, E. A.

MARTINEZ, E., ALONSO, V., QUISPE, A., THOMAS, M. C., ALONSO, R., PIÑERO, J. E., GONZÁLES, A. C., ORTEGA, A. and VALLADARES, B. RAPD method useful for distinguishing *Leishmania* species: design of specific primers for *L. braziliensis*, 513

MATEJUSOVÁ, I., GELNAR, M., VERNEAU, O., CUNNINGHAM, C. O. and LITTLEWOOD, D. T. J. Molecular phylogenetic analysis of the genus *Gyrodactylus* (Platyhelminthes: Monogenea) inferred from rDNA ITS region: subgenera versus species groups, 603

MATSUO, K. *See* SATO, H.

MATSUO, T. *See* BORK, S.

MATTSSON, J. G. *See* HÖGLUND, J.

MATTSSON, J. G. *See* LJUNGGREN, E. L.

MCGEOWN, J. G. *See* KUMAR, D.

MERI, S. *See* LAVIKAINEN, A.

MICHEL, A., KNOBLOCH, J. and KUNZ, W. P19: a female and tissue specifically expressed gene in *Schistosoma mansoni*, regulated by pairing with the male, 519

MIKEŠ, L. and MAN, P. Purification and characterization of a saccharide-binding protein from penetration glands of *Diplostomum pseudospathaceum* – a bifunctional molecule with cysteine protease activity, 69

MISRA, A. *See* SRIVASTAVA, J. K.

MITSUBOSHI, T. *See* HIRAZAWA, N.

MITTA, G. *See* COUSTAU, C.

MODAT, S. *See* COUSTAU, C.

MORET, Y. *See* RIGAUD, T.

MORLEY, N. J., CRANE, M. and LEWIS, J. W. Toxicity of cadmium and zinc to the decaudised cercarial life-span of *Diplostomum spathaceum* (Trematoda: Diplostomidae), 497

MORRISON, D. A. *See* HÖGLUND, J.

MURRELL, K. D. *See* PETKEVIČIUS, S.

MURRELL, K. D. *See* TAIRA, K.

N'GORAN, E. K. *See* BOOTH, M.

NAIK, S. *See* SRIVASTAVA, J. K.

NAVARRETTE, I. *See* FRONTERA, E.

NILSSON, D. *See* LJUNGGREN, E. L.

NIMRI, L. F. and SCHALLIG, H. D. F. H. Application of riboprinting for the identification of isolates of cutaneous *Leishmania* spp., 201

NJUE, A. I. and PRICHARD, R. K. Cloning two full-length beta-tubulin isotype cDNAs from *Cooperia oncophora*, and screening for benzimidazole resistance-associated mutations in two isolates, 579

NOLAN, D. T. *See* HAOND, C.

NORTON, J., LEWIS, J. W. and ROLLINSON, D. Parasite infracommunity diversity in eels: a reflection of local component community diversity, 475

NOWELL, F. *See* WATKINS, B. M.

ORNBJERG, N. *See* PEDERSEN, I. T.

O'HALLORAN, D. M. and BURNELL, A. M. An investigation of chemotaxis in the insect parasitic nematode *Heterorhabditis bacteriophora*, 375

OLIVEIRA-NETO, M. P. *See* TEVA, A.
ORTEGA, A. *See* MARTINEZ, E.
OSHIMA, S. *See* HIRAZAWA, N.
OTRANTO, D., TARSITANO, E., TRAVERSA, D., DE LUCA, F. and GIANGASPERO, A. Molecular epidemiological survey on the vectors of *Thelazia galosa*, *Thelazia rhodesi* and *Thelazia skrjabini* (Spirurida: Thelaziidae), 365

PAGÈS, J. R. *See* KANE, R. A.
PAGOTTO, A. H. *See* FERNANDEZ, S.
PAPE, M., POSEDI, J., FAILING, K., SCHNIEDER, T. and VON SAMSON-HIMMELSTJERNA, G. Analysis of the beta-tubulin codon 200 genotype distribution in a benzimidazole-susceptible and -resistant cyathostome population, 53
PAPE, M. *See* VON SAMSON-HIMMELSTJERNA, G.
PAPERNA, I. and LAINSON, R. Ultrastructural studies on the sporogony of *Heptozoon* spp. in *Culex* quinquefasciatus Say, 1823 fed on infected *Caiman crocodilus* and *Boa constrictor* from northern Brazil, 147
PAUKKU, S. *See* KARVONEN, A.
PEDERSEN, I. T., JOHANSEN, M. V. and ORNBJERG, N. The effect of a low level primary *Schistosome japonicum* infection on establishment of a challenge infection, 121
PENG, W., ZHOU, X. and GASSER, R. B. *Ascaris* egg profiles in human faeces: biological and epidemiological implications, 283
PEREIRA, M. H. *See* CAVALCANTE, R. R.
PETKEVIČIUS, S., BACH KNUDSEN, K. E., MURRELL, K. D. and WACHMANN, H. The effect of inulin and sugar beet fibre on *Oesophagostomum dentatum* infection in pigs, 61
PIÑERO, J. E. *See* MARTINEZ, E.
PICHON, G. *See* GAILLARD, F.-O.
PIRMEZ, C. *See* TEVA, A.
POINAR JR, G. Fossil evidence of phorid parasitism (Diptera: phoridae) by allantonematid nematodes (Tylenchida: Allantonematidae), 589
POOLE, W. R. *See* BYRNE, C. J.
PORROZZI, R. *See* TEVA, A.
POSEDI, J. *See* PAPE, M.
POST, R. J., ADAMS, Z., SHELLEY, A. J., MAIA-HERZOG, M., LUNA DIAS, A. P. A. and COSCARÓN, S. The morphological discrimination of microfilariae of *Onchocerca volvulus* from *Mansonella ozzardi*, 21
POULIN, R. *See* VIDAL-MARTÍNEZ, V. M.
PRICHARD, R. K. *See* NJUE, A. I.

QUIJADA, L. *See* SOTO, M.
QUISPE, A. *See* MARTINEZ, E.

RAM, D., ZIV, E., LANTNER, F. and SCHECHTER, I. Interaction of the proteasome S5a/Rpn 10 multiubiquitin-binding protein and the 8 kDa calcium-binding protein of *Schistosoma mansoni*, 337
READ, A. F. *See* DE ROODE, J. C.
READ, A. F. *See* FERGUSON, H. M.
READ, A. F. *See* GUINNEE, M. A.
READ, A. F. *See* REECE, S. E.
REECE, S. E., DUNCAN, A. B., WEST, S. A. and READ, A. F. Sex ratios in the rodent malaria parasite, *Plasmodium chabaudi*, 419
REINA, D. *See* FRONTERA, E.
REQUENA, J. M. *See* SOTO, M.
REYNOSO-DUCOING, O. *See* KUMAR, D.
RIGAUD, T. and MORET, Y. Differential phenoloxidase activity between native and invasive gammarids infected by local acanthocephalans: differential immunosuppression?, 571
RIVERO, A. *See* FERGUSON, H. M.
ROBERT, V., SOKHNA, C. S., ROGIER, C., ARIEY, F. and TRAPE, J.-F. Sex ratio of *Plasmodium falciparum* gametocytes in inhabitants of Dielmo, Senegal, 1
ROBERT, V. *See* GAILLARD, F.-O.
ROBERTS-MISTERLY, J. M. *See* KOHN, A. B.
ROEPSTORFF, A. *See* FRONTERA, E.
ROGIER, C. *See* ROBERT, V.
ROLLINSON, D. *See* KANE, R. A.
ROLLINSON, D. *See* NORTON, J.
ROSS, C. A. *See* SUSWAM, E. A.
ROTLLANT, J. *See* HAOND, C.
RUANE, N. M. *See* HAOND, C.

SAEED, I. *See* TAIRA, K.
SATO, H., ISHITA, K., MATSUO, K., INABA, T., KAMIYA, H. and ITO, M. Persistent infection of Mongolian jirds with a non-pathogenic trypanosome, *Trypanosoma* (*Herpetosoma*) *grosi*, 357
SCHAD, G. A. *See* FORBES, W. M.
SCHALLIG, H. D. F. H. *See* NIMRI, L. F.
SCHECHTER, I. *See* RAM, D.
SCHEIBLE, T. *See* SURES, B.
SCHNIEDER, T. *See* VON SAMSON-HIMMELSTJERNA, G.
SCHNIEDER, T. *See* PAPE, M.
SCHULZ-KEY, H. *See* KIRCH, A. K.
SERRANO, F. J. *See* FRONTERA, E.
SHARMA, P. *See* SRIVASTAVA, J. K.
SHELLEY, A. J. *See* POST, R. J.
SILVEIRA, T. G. V., TAKAHASHI, H. K. and STRAUS, A. H. Immunolocalization of *Leishmania* (*Viannia*) *braziliensis* membrane antigens recognized by mAbs SST-2, SST-3, and SST-4, 449
SOBOSLAY, P. T. *See* KIRCH, A. K.
SOKHNA, C. S. *See* ROBERT, V.
SOTO, M., QUIJADA, L., LARRETA, R., IBORRA, S., ALONSO, C. and REQUENA, J. M. *Leishmania infantum* possesses a complex family of histone H2A genes: structural characterization and analysis of expression, 95
SOUTHGATE, V. R. *See* KANE, R. A.
SOUTHGATE, V. R. *See* WEBSTER, B. L.
SRIVASTAVA, B. *See* SRIVASTAVA, J. K.
SRIVASTAVA, J. K., MISRA, A., SHARMA, P., SRIVASTAVA, B., NAIK, S. and DUBE, A. Prophylactic potential of autoclaved *Leishmania donovani* with BCG against experimental visceral leishmaniasis, 107
STRAUS, A. H. *See* SILVEIRA, T. G. V.
STURM, N. R. *See* GRISARD, E. C.
SURES, B., SCHEIBLE, T., BASHTAR, A. R. and TARASCHEWSKI, H. Lead concentrations in *Hymenolepis diminuta* adults and *Taenia taeniaformis* larvae compared to their rat hosts (*Rattus norvegicus*) sampled from the city of Cairo, Egypt, 483
SUSWAM, E. A., ROSS, C. A. and MARTIN, R. J. Changes in adenosine transport associated with melaminophenyl arsenical (Mel CY) resistance in *Trypanosoma evansi*: down-regulation and affinity changes of the P2 transporter, 543

TAIRA, K., SAEED, I., LIND, P., MURRELL, K. D. and KAPEL, C. M. O. Population dynamics of *Toxocara canis* in pigs receiving a single or multiple infection, 593
TAKAHASHI, H. K. *See* SILVEIRA, T. G. V.
TANNER, M. *See* BOOTH, M.
TARASCHEWSKI, H. *See* SURES, B.
TARSITANO, E. *See* OTRANTO, D.
TCHUEM TCHUENTÉ, L. A. *See* KANE, R. A.
TELFORD, S. R. III. *See* GOETHERT, H. K.
TEVA, A., PORROZZI, R., CUPOLILLO, E., PIRMEZ, C., OLIVEIRA-NETO, M. P. and GRIMALDI JR, G. *Leishmania* (*Viannia*) *braziliensis*-induced chronic granulomatous cutaneous lesions affecting the nasal mucosa in the rhesus monkey (*Macaca mulatta*) model, 437
THOMAS, M. C. *See* MARTINEZ, E.
THORNHILL, J. *See* AL-ADHAMI, B. J.
TIBAYRENC, M. *See* BRENIERE, S. F.
TIMI, J. T. Habitat selection by *Lernanthropus cynoscicola* (Copepoda: Lernanthropidae): host as physical environment, a major determinant of niche restriction, 155
TRAPE, J.-F. *See* ROBERT, V.
TRAVERSA, D. *See* OTRANTO, D.

UTZINGER, J. *See* BOOTH, M.

VALLADARES, B. *See* MARTINEZ, E.
VALTONEN, E. T. *See* HAKALAHTI, T.
VALTONEN, E. T. *See* KARVONEN, A.
VERNEAU, O. *See* MATEJUSOVÁ, I.
VIDAL-MARTÍNEZ, V. M. and POULIN, R. Spatial and temporal repeatability in parasite community structure of tropical fish hosts, 387
VINEY, M. E. *See* GUINNEE, M. A.
VON SAMSON-HIMMELSTJERNA, G., BUSCHBAUM, S., WIRTHERLE, N., PAPE, M. and SCHNIEDER, T. TaqMan minor groove binder real-time PCR analysis of β-tubulin codon 200 polymorphism in small strongyles (Cyathostomin) indicates that the TAC allele is only moderately selected in benzimidazole-resistant populations, 489
VON SAMSON-HIMMELSTJERNA, G. *See* PAPE, M.
VOUNATSOU, P. *See* BOOTH, M.

WACHMANN, H. *See* PETKEVIČIUS, S.
WATKINS, B. M. and NOWELL, F. *Hepatozoon griseisciuri* in grey squirrels (*Sciurus carolinensis*): changes of blood leucocyte numbers resulting from infection, 115
WEBSTER, B. L. and SOUTHGATE, V. R. Compatibility of *Schistosoma haematobium*, *S. intercalatum* and their hybrids with *Bulinus truncatus* and *B. forskalii*, 231
WENDELAAR BONGA, S. E. *See* HAOND, C.
WEST, S. A. *See* REECE, S. E.
WHITFIELD, P. J., BARTLETT, A., KHAMMO, N. and CLOTHIER, R. H. Age-dependent survival and infectivity of *Schistosoma mansoni* cercariae, 29
WHITTINGTON, I. D. *See* CHISHOLM, L. A.
WILHELMSSON, E. *See* HÖGLUND, J.
WIRTHERLE, N. *See* VON SAMSON-HIMMELSTJERNA, G.

YAMASHITA, S. *See* HIRAZAWA, N.
YOKOYAMA, N. *See* BORK, S.

ZHOU, X. *See* PENG, W.
ZIV, E. *See* RAM, D.

Index of Subjects

Acanthocephala, interspecific interactions of with brown trout, 399
Acanthocephalan parasites and immunity, in *Gammarus*, 571
Acidic compartments, in developing schistosomula of *Schistosoma mansoni*, 253
Age-dependent survival, of *Schistosoma mansoni* cercariae, 29
ALD + BCG, efficacy of against *Leishmania donovani*, 107
Anaemia, influence of on mosquito feeding and fecundity, 9
Anguilla anguilla, parasite infracommunity diversity in, 475
Anti-complement activity, of insect saliva, 87
Argulus coregoni, population structure and recruitment of, 79
Argulus japonicus-Oncorhynchus mykiss host–parasite relationship, effect of cortisol on, 551
Arsenical resistance, affects the P2 transporter in *Trypanosoma evansi*, 543
Ascaris suum, specific systemic antibody response to in immunized pigs, 291
Ascaris, egg profiles of in human faeces, 283

Babesia microti, what is it?, 301
Babesiacidal drugs, *in vitro* growth inhibition of bovine *Babesia* by, 311
Benzimidazole resistance, in cyathostomins, 489
Benzimidazole resistance-associated mutations, screening for in *Cooperia oncophora*, 579
Beta Interaction Domain, key residues in, of the schistosome beta subunit, 349
Beta-tubulin, TaqMan analysis of, 489
Beta-tubulin codon 200 genotype, distribution of in cyathostomes, 53
Beta-tubulin isotypes, in *Cooperia oncophora*, 579
Biomphalaria glabrata, gene expression changes in, 533
Bovine *Babesia*, inhibition of *in vitro* growth of by babesiacidal drugs, 311
Brown trout, interspecific interactions of with Acanthocephala, 399

Calcium-binding protein, interaction of with proteasome S5a/Rpn10 from *Schistosoma mansoni*, 337
Capture-mark-recapture methods, use of to study population dynamics in the snail, 243
Cestodes, metal accumulation in, 483
Chemotactic behaviour, of *Strongyloides stercoralis* infective larvae on sodium chloride gradient, 189
Chemotaxis, in the insect parasitic nematode, *Heterorhabditis bacteriophora*, 375
Compatibility, of schistosomes with their snail hosts, 231
Competition, in rodent malaria infections, 411
Complement inhibition, by insect saliva, 87
Cooperia oncophora, beta-tubulin isotypes in, 579
Cortisol, effect of on trout-*Argulus* host–parasite relationship, 551
Cyathostome population, distribution of the beta-tubulin codon 200 genotype in, 53
Cyathostomins, beta-tubulin codon 200 polymorphism in, 489
Cysteine proteinase activity, purification of a bifunctional molecule with, from *Diplostomum pseudospathaceum*, 69

Dictyocaulus, phylogeny of, from ruminants, 179
Diplostomum pseudospathaceum, isolation of a saccharide-binding protein from, 69
Diplostomum spathaceum, toxicity of heavy metals to the decaudised cercarial life-span of, 497
transmission of the cercariae of, 217
Dirofilaria immitis, structure and organization of the mitochondrial genome of, 37

Echinococcus granulosus, a novel genotype of, 207
Echinostoma caproni, effect of on gene expression in *Biomphalaria caproni*, 533
Egg profiles, of *Ascaris* in human faeces, 283
Eimeria species, detection of using a multiplex PCR assay, 317
Epidemiological implications, of *Ascaris* egg profiles in human faeces, 283
Expression, of *Leishmania* H2A genes, 95

Fasciola hepatica, musculature of, 457
Female-specific gene, regulation of by pairing, in *Schistosoma mansoni*, 519
Fennoscandian cervid strain, a new genotypic group of *Echinococcus granulosus*, 207
Fossil evidence, of phorid parasitism by allantonematid nematodes, 589

Gametocyte aggregation, in *Plasmodium falciparum*, 427
Gametocytes, of *Plasmodium falciparum*, sex ratio of, 1
Gammarus, acanthocephalan parasites and immunity in, 571
Genetic diversity of malaria parasites, influence of on mosquito feeding and fecundity, 9
Gyrodactylus salaris variant, infection biology, morphology and molecular genetics of, 165
Gyrodactylus salaris, characterization of a variant of, 165
Gyrodactylus, molecular phylogeny, 603

Habitat selection, by *Lernanthropus cynoscicola*, 155
Heavy metal toxicity, to the decaudised cercarial life-span of *Diplostomum spathaceum*, 497
Hepatozoon griseisciuri in grey squirrels, 115
Hepatozoon species, ultrastructural studies on the sporogony of in mosquitoes, 147
Heterobothrium okamotoi, identification of the tiger puffer host by, 225
Heterorhabditis bacteriophora, chemotaxis in, 375
Hookworm co-infections with *Schistosoma mansoni*, diagnosis of by Kato-Katz technique, 525

Immune status of host, effect of on maturation time in two nematode species, 507
Immunoglobulin response, in pigs immunized with *Ascaris suum*, 291
Infection biology, of *Gyrodactylus salaris* variant, 165
Infectivity of *Schistosoma mansoni* cercariae, 29
Infracommunity diversity, in eels, 475
Insect saliva, inhibition of complement by, 87
Interspecific interactions, between Acanthocephala in brown trout, 399
Inulin, effect of on *Oesophagostomum dentatum* infections in pigs, 61
Ireland, frequency of interspecific interactions between acanthocephala and brown trout, 399
Isoenzyme loci, impact of the number of on *Trypanosoma cruzi* phylogeny, 273
ITS sequences, use of for phylogenetic analysis of *Gyrodactylus* subgenera, 603

Kato-Katz technique, use of in diagnosing *Schistosoma mansoni* and hookworm co-infections, 525

Leishmania (*Viannia*) *braziliensis*, immunolocalization of, 449
in rhesus macaques, 437
Leishmania donovani, efficacy of ALD + BCG against, 107
Leishmania H2A genes, structural complexity of, 95
Leishmania species, characterization of by RAPD method, 513
Leishmania spp., identification of by riboprinting, 201

Lernanthropus cynoscicola, habitat selection by, 155
Liver fluke, musculature and isolated muscle fibres of, 457
Low-level infection, with *Schistosoma japonicum*, effect of on challenge in pigs, 121

Malaria infections, competition between in rodents, 411
Mansonella ozzardi, discrimination of microfilariae of from *Mansonella ozzardi*, 21
Mating hypothesis, for *Lernanthropus cynoscicola*, 155
Maturation, of *Strongyloides ratti* and *Nippostrongylus brasiliensis*, 507
Metal accumulation, in *Hymenolepis diminuta* and *Taenia taeniaeformis*, 483
Mitochondrial genes, use of to separate two species of *Schistosoma intercalatum*, 131
Mitochondrial genome, of *Dirofilaria immitis*, 37
Molecular diagnosis, of *Eimeria* in domestic fowl, 317
Molecular epidemiology, of vectors of *Thelazia* spp., 365
Molecular genetic characterization, of *Echinococcus granulosus*, 207
Molecular genetics, of *Gyrodactylus salaris* variant, 165
Molecular phylogeny, of *Gyrodactylus*, 603
of *Schistosoma intercalatum* strains, 131
Mongolian jirds, infection of with *Trypanosoma grosi*, 357
Monocotylid monogeneans, invasion of *Rhinobatos typus* by, 561
Morphological discrimination, of microfilariae of *Onchocerca volvulus* from *Mansonella ozzardi*, 21
Mosquito feeding and fecundity, influence of malaria parasite genetic diversity on, 9
Mucocutaneous leishmaniasis, in rhesus macaques, 437
Mucus pH, an important factor in host identification, 225
Multiplex PCR assay, use of for the detection of *Eimeria* spp., 317
Muscle fibres, of *Fasciola hepatica*, immunocytochemistry of, 457
Musculature, of *Fasciola hepatica*, 457

Nested patterns, repeatability of in parasite community organization, 387
New species, of trypanosome, *Trypanosoma desterrensis*, in South american bats, 265

Oesophagostomum dentatum, effect of inulin and sugar beet fibre on infections of in pigs, 61
Onchocerca volvulus, discrimination of microfilariae of from *Mansonella ozzardi*, 21
impact of parental infection on offspring, 327
Onchocerciasis, in parents, and infection in offspring, 327
Oncorhynchus mykiss-Argulus japonicus host–parasite relationship, effect of cortisol on, 551
Organization, of the mitochondrial genome of *Dirofilaria immitis*, 37

P2 transporter, down regulation and affinity changes in, in *Trypanosoma evansi*, 543
Pairing, regulates female-specific gene in *Schistosoma mansoni*, 519
Parasite community structure, spatial and temporal repeatability in, 387
Parasite infracommunity diversity, in eels, 475
Parental onchocerciasis, and infection in offspring, 327
Phenoloxidase, differential activity of in *Gammarus*, 571
Phorid parasitism, by allantonematid nematodes, 589
Phylogenetic analysis, of *Babesia microti*, 301
Phylogeny, of *Dictyocaulus* from ruminants, 179
Phylogeny, of *Trypanosoma cruzi*, impact of isoenzyme loci on, 273
Pigs, infection of with *Schistosoma japonicum*, 121
Plasmodium chabaudi, sex ratios in, 419
Plasmodium falciparum, togetherness amongst the gametocytes of, 427
sex ratio of gametocytes of, 1
Population dynamics, in *Bulinus truncatus*, 243
of *Toxocara canis* in pigs, 593
Population structure, of *Argulus coregoni*, 79
Praziquantel, specific sites in the BID of a schistosome beta subunit alter the anti-schistosomal efficacy of, 349
Prophylactic efficacy, of ALD + BCG against *Leishmania donovani*, 107
Proteosome S5a/Rpn10, interaction of with a calcium-binding protein in *Schistosoma mansoni*, 337

RAPD method, use of to distinguish *Leishmania* species, 513
Recruitment, of *Argulus coregoni*, 79
Repeatability, of parasitic communities of tropical fish hosts, 387
Rhesus macaques, *Leishmania* (*Viannia*) *braziliensis* in, 437
Rhinobatos typus, invasion of by monocotylid monogeneans, 561
Riboprinting, use of for the identification of cutaneous *Leishmania* spp., 201
Rodent malaria parasites, competition between, 411
Ruminants, phylogeny of lungworms from, 179

Saccharide-binding protein, isolation of from *Diplostomum pseudospathaceum*, 69
Sarcoptes scabei, expressed sequence tag analysis of, 139
Schistosoma intercalatum strains, molecular phylogeny of, 131
Schistosoma japonicum, effect of a low-level primary infection on challenge in pigs, 121
Schistosoma mansoni co-infections with hookworm, diagnosis of by Kato-Katz technique, 525
Schistosoma mansoni, acidic compartments in the schistosomula of, 253
age-dependent survival and infectivity of cercariae of, 29
effect of on gene expression in *Biomphalaria glabrata*, 533
interaction of a calcium-binding protein from with proteasome S5a/Rpn10, 337
regulation of female-specific gene in, 519
Schistosome beta subunit, key residues in the Beta Interaction Domain of, 349
Schistosomes, compatibility of with their intermediate snail hosts, 231
Schistosomula, acidic compartments in during development, 253
Sciurus carolinensis, *Hepatozoon griseisciuri* in, 115
Sequence tag analysis, of *Sarcoptes scabei*, 139
Sex ratio, of gametocytes of *Plasmodium falciparum*, 1
Sex ratios, in the rodent malaria parasite, *Plasmodium chabaudi*, 419
Shovelnose ray, invasion of by monocotylid monogeneans, 561
Simulation model, use of to examine *Plasmodium falciparum* gametocyte aggregation, 427
Snail hosts, compatibility of schistosomes with, 231
Snail vectors, population dynamics in, 243
Sodium chloride gradient, chemotactic behaviour of *Strongyloides stercoralis* infective larvae on, 189
South American bats, a new species of trypanosome in, 265
Specific systemic immunoglobulin responses, in pigs immunized with *Ascaris suum*, 291
Sporogony, of caiman and boa *Hepatozoon* species in mosquitoes, 147
Stage-specific antigens, use of for immunolocalization of *Leishmania* (*Viannia*) *braziliensis*, 449
Strongyloides stercoralis, chemotactic behaviour of infective larvae of on sodium chloride gradient, 189
Structural complexity, of *Leishmania* H2A genes, 95
Structure, of the mitochondrial genome of *Dirofilaria immitis*, 37
Sugar beet fibre, effect of on *Oesophagostomum dentatum* infections in pigs, 61

Takifuga rubripes, identification of by *Heterobothrium okamotoi*, using mucus pH, 225
TaqMan analysis, of beta-tubulin, 489
Thelazia spp., a molecular epidemiological survey of, 365

Toxicity, of heavy metals to the decaudised cercarial life-span in *Diplostomum spathaceum*, 497
Toxocara canis, population dynamics of, 593
Transmission, of the cercariae of *Diplostomum spathaceum*, 217
Tropical fish hosts, repeatability of parasite communities in, 387
Trypanosoma cruzi, impact of the number of isoenzyme loci on the phylogeny of, 273
Trypanosoma desterrensis, a new species of trypanosome, 265
Trypanosoma evansi, down regulation and affinity changes in the P2 transporter of, 543
Trypanosoma grosi, infection of Mongolian jirds with, 357

Ultrastructural studies, on the sporogony of *Hepatozoon* species in mosquitoes, 147

Vectors, of *Thelazia* spp., molecular epidemiology of, 365